

July 14, 2020

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Subject: Quarterly Progress Report – CERCLA Projects, Smoky Canyon Mine
Pole Canyon 2006 NTCRA (Water Management)
Pole Canyon 2013 NTCRA (Cover System)
Remedial Investigation/Feasibility Study

April through June 2020 (Second Quarter of 2020)

Dear Art,

This Second Quarter 2020 Progress Report describes work performed, deliverables and data transmittals for the period from April through June 2020, and identifies upcoming activities associated with the following CERCLA projects at the Smoky Canyon Mine:

- Pole Canyon Overburden Disposal Area (ODA) Non-Time-Critical Removal Actions (NTCRAs) Performance and Effectiveness Monitoring
- Remedial Investigation/Feasibility Study (RI/FS)

Work Performed, Including Deliverables and Data Transmittals

Pole Canyon ODA NTCRAs Performance and Effectiveness Monitoring

Two NTCRAs have been implemented at the Pole Canyon ODA. The first, the Pole Canyon Water Management NTCRA (2006 NTCRA) was implemented in accordance with the *2006 Administrative Settlement Agreement and Order on Consent (ASAOC)*. The second, the Pole Canyon Dinwoody/Chert Cover NTCRA (2013 NTRCA) was implemented under a separate *2013 ASAOC*. The following effectiveness monitoring activities were conducted from April through June 2020 under the *Pole Canyon NTCRA Effectiveness Monitoring Plan (EMP), Rev. No. 5*:

- Water levels were monitored and recorded continuously at one Wells Formation monitoring well (GW-16) and three alluvial monitoring wells (GW-15, GW-22, and GW-26).
- Flow was monitored and recorded continuously at surface water monitoring stations LP-1 and UP-IN. Flow was also monitored continuously at the pipeline inlet (UP-PD) and outlet (LP-PD) structures, with telemetry access available for regular tracking of transducer measurements. Telemetry access for the transducer at the pipeline inlet structure is currently not functioning correctly.

Efforts to troubleshoot and relaunch the telemetry system at the pipeline inlet are ongoing.

- Second-quarter surface water and groundwater monitoring was conducted from May 12 through 14 and on May 26, 2020 at the following locations:

LP-1	GW-15
LP-PD	GW-16
LSV-1	GW-22 (98 feet and 150 feet)
UP-IN	GW-26
UP-PD	
NSV-5	
NSV-6	

The spring inspection of the 2006 NTCRA components was conducted on May 12 in accordance with the 2006 NTCRA *Post-Removal Site Control (PRSC) Plan*. The spring inspection of the 2013 NTCRA components was conducted on May 26 in accordance with the 2013 NTCRA *PRSC Plan*.

The Agencies approved the Draft *2018 Performance and Effectiveness Monitoring Report (PEMR)* for the Pole Canyon NTCRAs on July 8, 2020.

Attached are preliminary, raw field and laboratory data for the locations sampled during the second quarter of 2020.

Remedial Investigation/Feasibility Study

Performance monitoring of the Phase 2 Ultra-Filtration/Reverse Osmosis and Fluidized Bed Bioreactor (UF/RO+FBR) water pilot treatment system at Hoopes Spring is ongoing. Results from the performance monitoring are being provided to the Agencies in monthly progress reports specific to the project.

The Draft Feasibility Study Technical Memorandum (FSTM) #2 was submitted to the Agencies on April 6. The memorandum documents the development and screening of media-based remedial alternatives and the results of the detailed and comparative analyses and identifies the recommended Site-wide remedy for Smoky Canyon Mine.

Upcoming Activities

Pole Canyon ODA NTCRAs Performance and Effectiveness Monitoring

- Submit the Final *2018 PEMR* for the Pole Canyon NTCRAs to the Agencies for the project record.
- Submit the Draft *2019 PEMR* for the Pole Canyon NTCRAs to the Agencies by July 31.

- Conduct third quarter (summer) 2020 surface water flow measurements and sampling at the locations identified in Table 3-2 of the *Pole Canyon NTCRA EMP Rev. No. 5*.
- Ongoing continuous flow monitoring at UP-PD, UP-IN, LP-PD, and LP-1.
- Ongoing continuous water-level monitoring at one Wells Formation monitoring wells (GW-16) and three alluvial monitoring wells (GW-15, GW-22, and GW-26).

Remedial Investigation/Feasibility Study

- Continue bi-weekly UF/RO+FBR operation and monitoring in accordance with the Phase 2 Work Plan.
- Revise FSTM#2 following receipt of comments from the Agencies.

Please contact me if there are questions regarding this submittal.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jeffrey Hamilton", with a stylized flourish at the end.

Jeffrey Hamilton
Environmental Engineer

cc (1 copy except as otherwise noted):

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